GWG Motion Imagery Standards Board Overview

http://www.gwg.nga.mil/misb

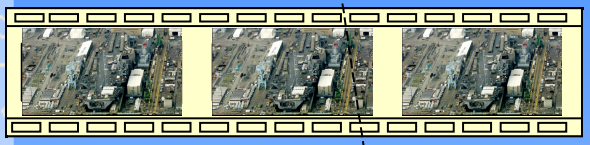
For more information on the GWG, contact the GWG Secretariat at
NCGIS-mail@nga.mil

Motion Imagery Standards Board

"Shaping the future of motion imagery…
…To maximize the utility of technology to the benefit of the warfighter"

Promotes interoperability through established standards for entire TPED process

Motion Imagery Sequence



11100100010011010100010001

Geo-Spatial Metadata

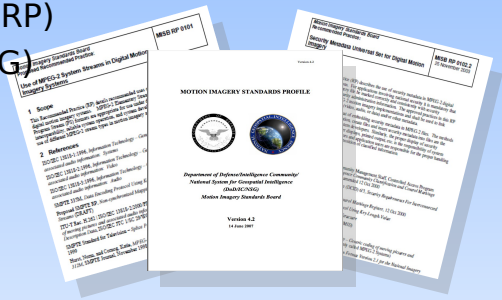
Motion Imagery Data Streams

NSG

National System for Geospatial-Intelligence Architecture

Standards Documents

- Motion Imagery Standards Profile (MISP)
- Recommended Practices (RP)
- Engineering Guidelines (EG)

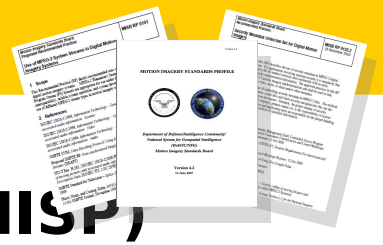


Community Involvement

- NATO Joint Capabilities Group ISR
- DoD (All Services)
- Intelligence Community (IC)
- International Organizations (SMPTE, ISO, ITU, MPEG, AMWA)

GWG

Why is MISB Important?



- **Motion Imagery Standards Profile (MISP)**
  - Guiding document for DoD/IC/NSG and incorporated into DoD IT Standards Registry (DISR)
  - Recommended Practices (RPs) & Engineering Guidelines (EGs) focus commercial standards
  - Seven Working Groups (WGs) focused on all technology facets of motion imagery, MISB & WGs meet 3-4 times per year
    - Advanced MI, Advanced Compression, Metadata, Infrared, Format, Interoperability and MI Tradecraft

MISP is the core reference document for new and upgraded motion imagery systems to assist in achieving interoperability

MISB Participation in NATO

- **Chair of NATO STANAG 4609 Custodial Support Team (CST) and US Representative**
  - Allied Engineering Document Publication 8 (AEDP-8) is guiding document for digital motion imagery among coalition partners
  - STANAG 4609 is superset of standards that directly incorporates MISP
  - Support NATO Joint Capability Group for Intelligence Surveillance & Reconnaissance (JCGISR) and NATO Imagery Intelligence Work Group (IMINTWG)
  - Contributing to metadata harmonization of STANAG 4609 / 4586 / 3377 / 3277

NATO STANAG 4609 defines digital motion imagery standards that promote interoperability between coalition assets